

Date: February 13, 1999

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Transmitted herewith for filing is the patent application of  
Inventor(s): Currier, Diane  
For: FRONT-OPENING GARMENT WITH BUILT-IN FRONT-OPENING BRA

Enclosed are:

- (X) Specification, Claims and Abstract: 11 pages  
(X) Informal Drawings: 4 sheets  
(X) Combined Declaration & Power of Attorney executed by the Inventor(s)  
( ) Information Disclosure Statement  
(X) Verified Statement that this is a filing by a Small Entity under  
37 CFR 1.9 and 37 CFR 1.27  
( ) Assignment of the Invention to  
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MULTIPLE DEPENDENT CLAIM PRESENTED			+ 130 =	0.00	+ 260 =	0.00
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Respectfully Submitted,

*Keith Frantz*  
Keith Frantz, Reg. No. 37828

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**STATEMENT CLAIMING SMALL ENTITY STATUS  
(37 CFR 1.9(f) & 1.27(b))--INDEPENDENT INVENTOR**

Docket Number (Optional)

Applicant, Patentee, or Identifier: Currier, Diane.

Application or Patent No.: \_\_\_\_\_

Filed or Issued: \_\_\_\_\_

Title: FRONT-OPENING GARMENT WITH BUILT-IN FRONT-OPENING BRA

As a below named inventor, I hereby state that I qualify as an independent inventor as defined in 37 CFR 1.9(c) for purposes of paying reduced fees to the Patent and Trademark Office described in:

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Diane Currier  
NAME OF INVENTOR

NAME OF INVENTOR

NAME OF INVENTOR

*Diane Currier*  
Signature of inventor

Signature of inventor

Signature of inventor

2/13/99  
Date

Date

Date

SPECIFICATION

To whom it may concern:

Be it known that I, Diane Currier, a citizen of the United States, residing at 103 Bradford Pl. SE, Poplar Grove, Illinois 61065, have invented a new and useful FRONT-OPENING GARMENT WITH BUILT-IN FRONT-OPENING BRA, of which the following is a specification.

# FRONT-OPENING GARMENT WITH BUILT-IN FRONT-OPENING BRA

## Background of the Invention

### 5 1. Field of Invention

The present invention relates generally to women's apparel, and more specifically, to front-opening upper-body garments with built-in, non-binding breast support which, while suitable for other uses, is especially suitable for  
10 use with casual, leisure and nighttime apparel.

### 2. Description of Prior Art

Many women, and particularly larger breasted women, often prefer to have some breast support when wearing  
15 casual, leisure and nighttime apparel. At present, the choices for those desiring such support include wearing either a conventional bra, or a casual "pull-over" top that includes some form of shelf-type bra. Examples of such pull-over tops are shown in Friedman, U.S. Patent 4,564,015,  
20 Cordova, U.S. Patent 4,440,174, and Silber, U.S. Patent 4,372,320. While such pull-over tops are suitable for certain women on certain occasions, they are not suitable for all occasions or for all women, and they are not typically worn under other types of casual/leisure apparel.

Therefore, although conventional bras are often not desirable with leisure wear as they tend to be restrictive and binding against the breasts as a result of the supporting/forming hardware, or preformed and/or elastic nature of the breast cups, given the choices presently available, if wearing, for example, a leisure or nighttime robe, or a sweat-suit or similar top as casual wear, women desiring breast support will typically opt for wearing a conventional bra. This is particularly true when wearing front-opening garments, although they would often prefer a less restrictive alternative.

Thus, there is need for new and improved non-binding, less restrictive breast support apparel suitable for use with casual, leisure and nighttime front opening garments.

#### Summary of the Invention

The general aim of the present invention is to provide new and improved front-opening garments suitable for casual, leisure and nighttime wear, and that include comfortable, generally non-binding and non-restrictive, breast support.

A detailed objective is to achieve the foregoing by providing a front-opening outer garment with a built-in

front-opening bra attached at the shoulders for ease of putting the entire garment on and taking it off, and to permit freedom of movement of the outer garment relative to the bra.

5           Another detailed objective is to achieve the foregoing by providing the built-in bra with breast-supporting body portions adapted to drape over each breast, and with elastic perimeter portions adapted to draw the body portions upwardly into engagement with the lower portion of each  
10 breast to effect support from under the breast in a generally non-restrictive and non-binding manner.

          These and other objectives and advantages of the invention will become more apparent from the following detailed description when taken in conjunction with the  
15 accompanying drawings.

#### Brief Description of the Drawings

20           FIGURE 1 is a front view of a new and improved garment comprising a robe and a built in bra, shown as worn by a user, and incorporating the unique aspects of the present invention.

FIG. 2 is an enlarged front view, but showing the robe in dashed lines, and the built-in bra just prior to closure when putting the garment on, or alternately, just after opening for removal of the garment.

5        FIG. 3 is an enlarged front view similar to FIG. 2, but showing built-in bra in the closed position.

FIG. 4 is a view similar to FIG. 3, but showing the robe in position to conceal the built-in bra.

FIG. 5 is a front perspective view with the sides of  
10    the garment generally rolled back for improved viewing of certain aspects of the invention.

FIG. 6 is an enlarged cross-sectional view taken substantially along the line 6-6 of FIG. 5.

FIG. 7 is a front view similar to FIGURE 1, but showing  
15    an alternate embodiment garment in accordance with the present invention.

While the invention is susceptible of various modifications and alternative constructions, certain illustrated embodiments have been shown in the drawings and  
20    will be described below in detail. It should be understood, however, that there is no intention to limit the invention to the specific forms disclosed, but on the contrary, the intention is to cover all modifications, alternative

constructions, and equivalents falling within the spirit and scope of the invention.

5

### Detailed Description of the Invention

For purposes of illustration, the present invention is shown in the drawings in connection with a women's upper-body garment 8 including an outer garment in the form of a  
10 lounging robe 10 (FIG.1) such as might be constructed in typical style and design associated with women's apparel. In a conventional manner, the robe 10 is formed with a front opening 12, wraps around the upper body of the wearer or user, and may be closed with a tie-belt around the user's  
15 waist. In this instance, the robe includes left and right (from the user's perspective) front sections 14, left and right sides, and a closed back, and extends between an upper neckline 24 to a lower hemline 26. The neckline 24 includes a front neckline section 28 that extends in opposite  
20 directions from the front opening 12 generally to the shoulders of the robe, and a back neckline section 32 that extends between the shoulders such that the neckline generally encircles the user's neck.



In accordance with the present invention, the garment 8 includes an integral or built-in bra 40 adapted for front opening, and to provide breast support under each breast, but which is free of supporting/binding/restrictive form or hardware of conventional bras. As a result, the robe 10 provides for a leisure or casual garment that is quick and easy to put on, and which provides the user with some breast support without being restrictive or binding.

In carrying out the invention, the bra 40 includes left and right breast support front panels 42 (FIG. 2) separated by a front opening 44, a back panel 46 (FIG. 5), shoulder straps 48 extending between the upper portions of the front panels and the back panel to wrap over the user's shoulders, and side panels or straps 50 extending between the lower rear portions of the front panels and the back panel to wrap around the user's sides and under her arms. Front closure of the bra is accomplished in any suitable manner, such as with a plastic bra clasp 52 that slides or snaps (not shown) together, the two halves of the clasp 52A, 52B being connected to the forward lower corner portions of the front panels. In this instance, when the bra is closed, the front panels cooperate to define a generally V-shaped opening at the user's chest between her breasts. Preferably, the garment fabric, and in particular, the front panel and bra

fabric is selected for comfort when worn next to the skin, such a cotton/lycra or other, preferably "stretchy", fabric blend.

In further carrying out the invention, the shoulder  
5 straps are attached (i.e., sewn) to the inside shoulders of the robe as generally designated at 54, with the armholes of the bra aligned with the armholes of the robe, and the front opening of the bra aligned with the front opening of the robe. Preferably, the only attachment between the bra and  
10 the robe is at the shoulders such that the robe is free to move relative to the bra, and thus, relative to the user's breasts. This permits substantially unrestricted freedom of movement of the outer garment robe as the user sits, stands, lies down, and generally moves around, without resulting in  
15 a corresponding pulling of the inner bra or associated pulling on the user's breasts.

In the preferred embodiment, the front panels are formed with a generally triangular shape, having inner and outer side edge portions, 56 and 58, respectively, for  
20 positioning to the sides of each breast, and lower edge portions 60 for positioning under the breasts. The body of the front panels are formed from relatively loose fitting material that drapes or freely hangs from the side edge portions of the panels. The lower edge portion of the front

panels, and optionally the inner side edge portions, are formed with elastic perimeter portions. In the embodiment shown, elastic cord 62 is sewn into and concealed in the lower edge portion of the front panels, and optionally in  
5 the inner side edge portion, with the associated edge material preferably loosely surrounding the cord to define gathered-material lower front panel edge portions 66, and optional gathered-material inner side edge portions generally between dashed lines 64. With this arrangement,  
10 as the front panels are drawn toward one another and over the user's breasts for closure of the bra, the gathered lower edge portions stretch under and generally conform to the underside of each breast. As a result of the draping body construction of the front panels, the breasts generally  
15 rest on the lower portion of the front panels adjacent the lower edge portions for non-binding support when the bra is closed.

It will be apparent that a garment in accordance with the present invention may include an outer garment of other  
20 forms. By way of non-limiting example, the outer garment may be a robe with a zippered front opening, or a sweat-suit or other casual top having a front opening and closure means. An alternate embodiment of a garment 80 having an outer garment 82 in the form of a top having a zippered

front opening 84 is shown in FIG. 7. In keeping with the invention, the garment 80 includes a built-in bra 40 constructed as previously described, each of the bra shoulder straps being attached to the inside of each of the outer garment shoulders such as generally designated at 86 for the left shoulder in FIG. 7.

From the foregoing, it will be apparent that the present invention brings to the art a new and improved upper body garment with a built-in bra adapted for ease of use and for the user's comfort by providing shelf-type support for the user's breasts. To use, the outer garment and the bra are put on as a single apparel item, the front of the bra is closed, and then the robe is closed to conceal the bra. Thus, a garment according to the invention provides for breast support in a comfortable, easy-to-use arrangement without being binding or restrictive, and that is especially suitable for use with casual, leisure and nighttime wear.

I claim:

1. A women's garment comprising:

a front-opening upper-body outer garment having:

5           left and right front panels,  
            left and right shoulders connected to respective  
ones of said front panels, and

            a first rear-portion neckline defined between said  
shoulders;

10          a front-opening inner bra having:

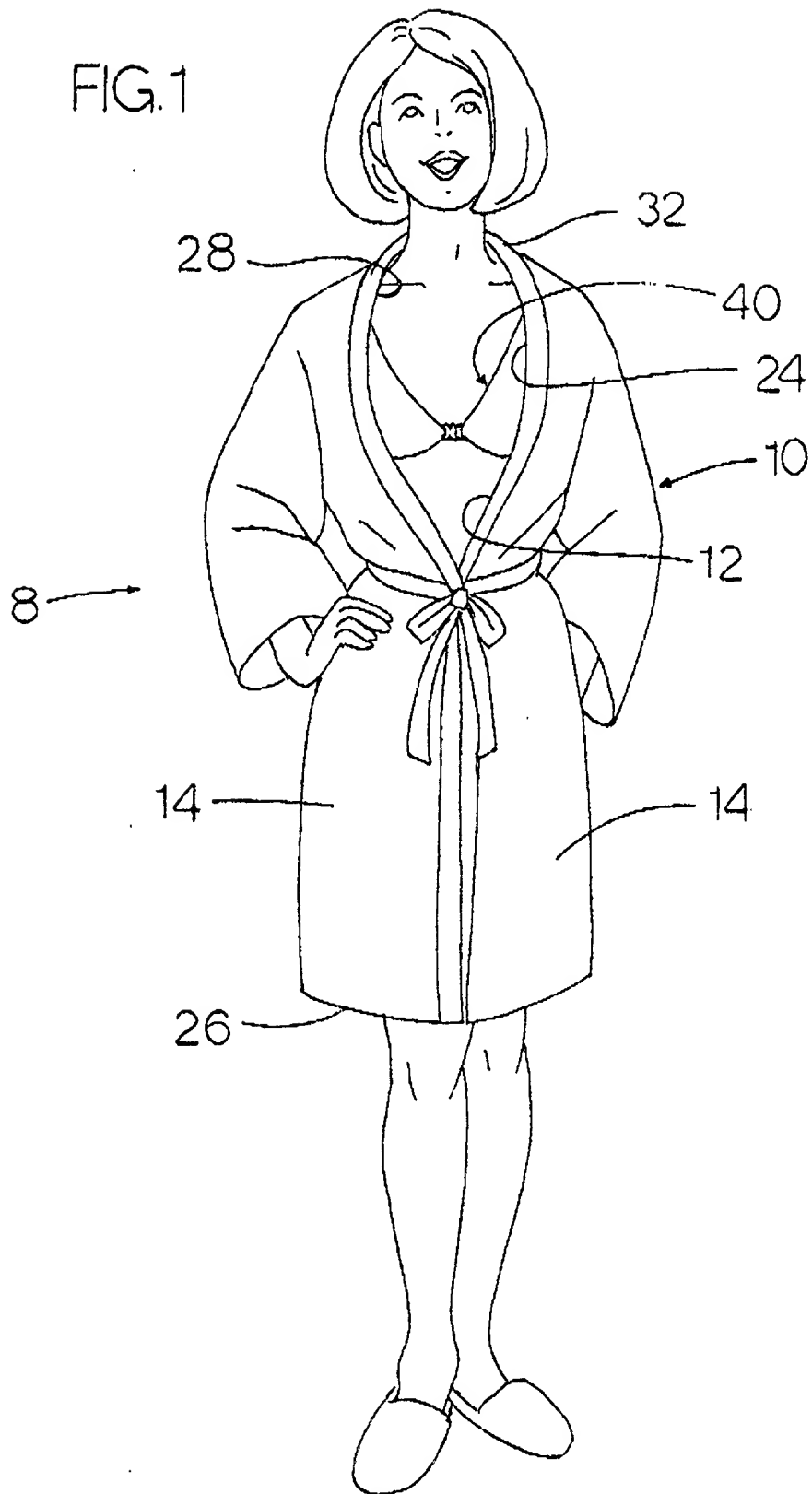
            left and right breast-supporting front panels,  
            left and right shoulder straps connected to  
respective ones of said breast-supporting front panels,  
and

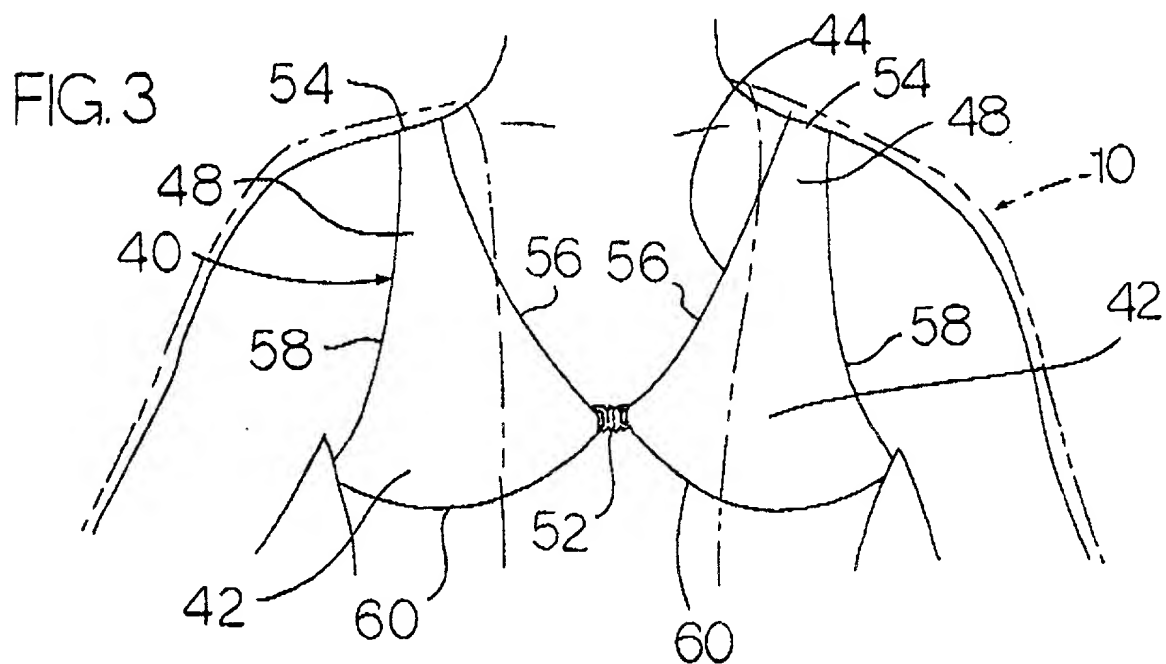
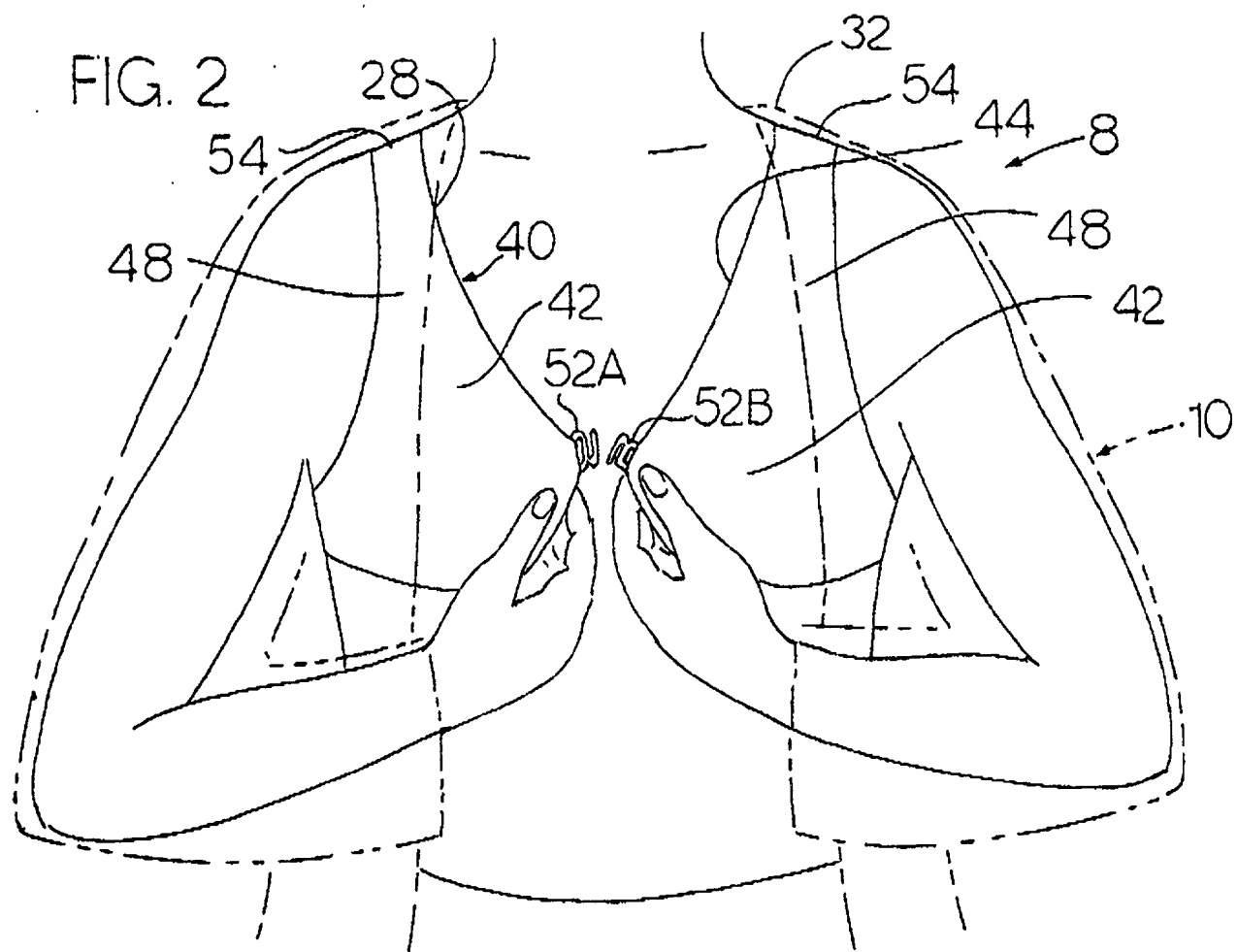
15           a second rear-portion neckline defined between  
said shoulder straps;

            said shoulder straps being further connected to  
respective ones of said left and right shoulders of said  
outer garment in a manner to permit freedom of movement  
20   between the front panels of said outer garment and the front  
panels of said bra.



FIG.1







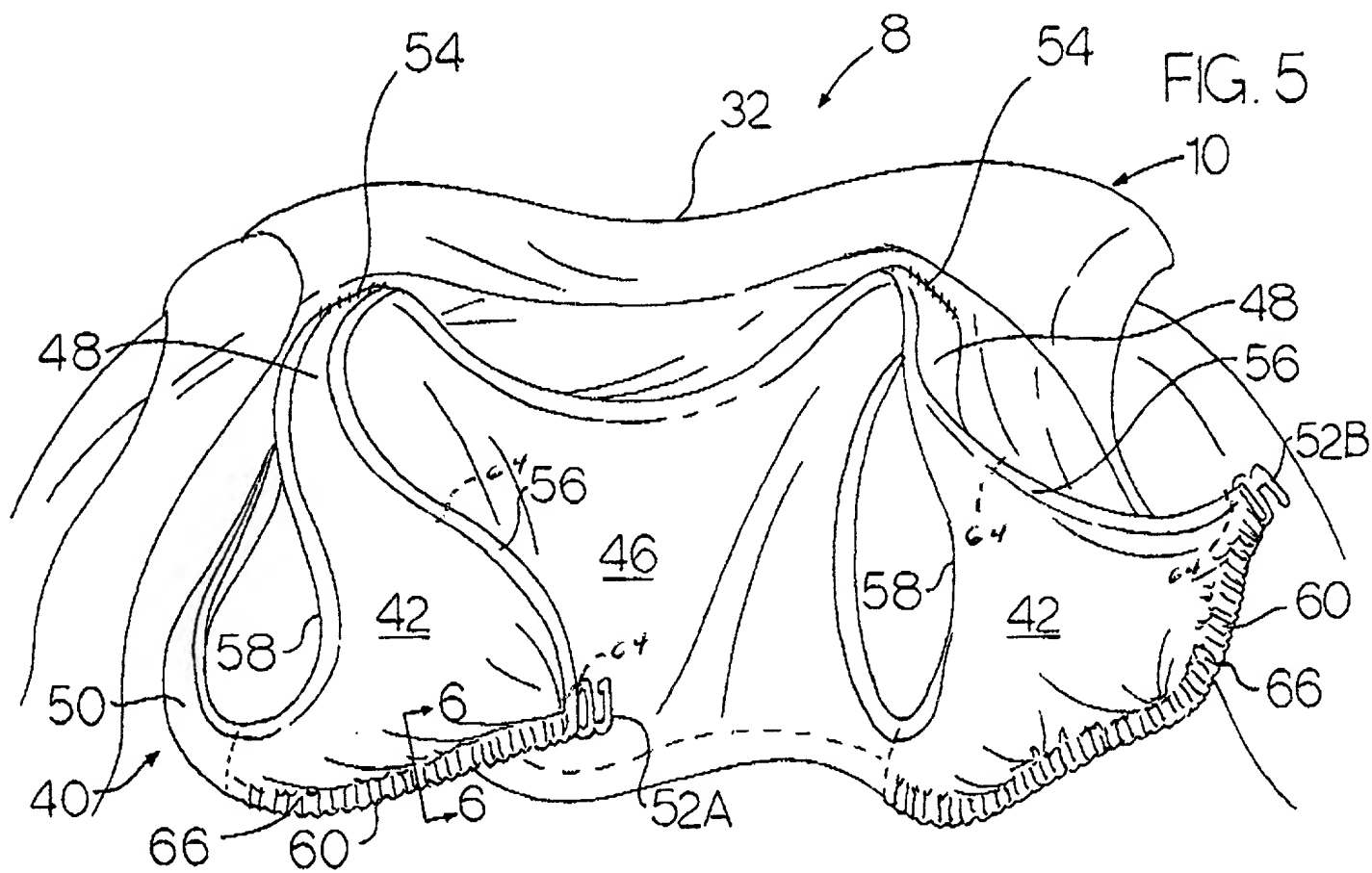
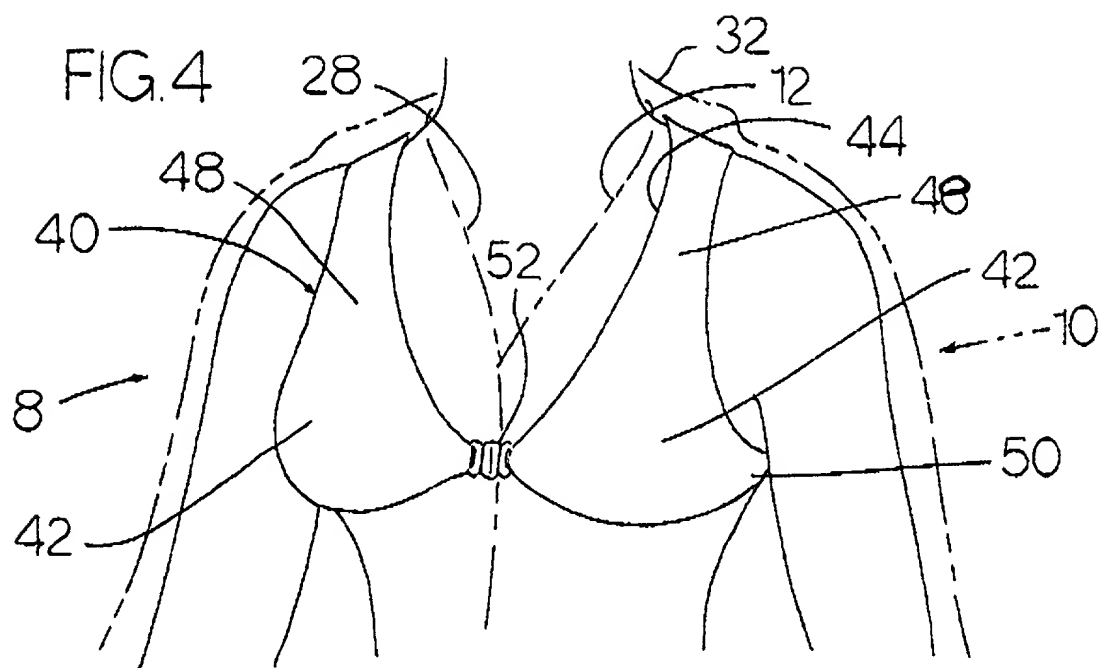


FIG. 6

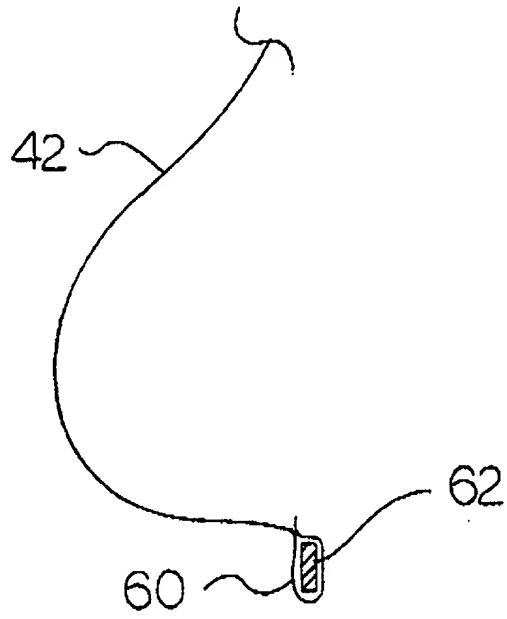
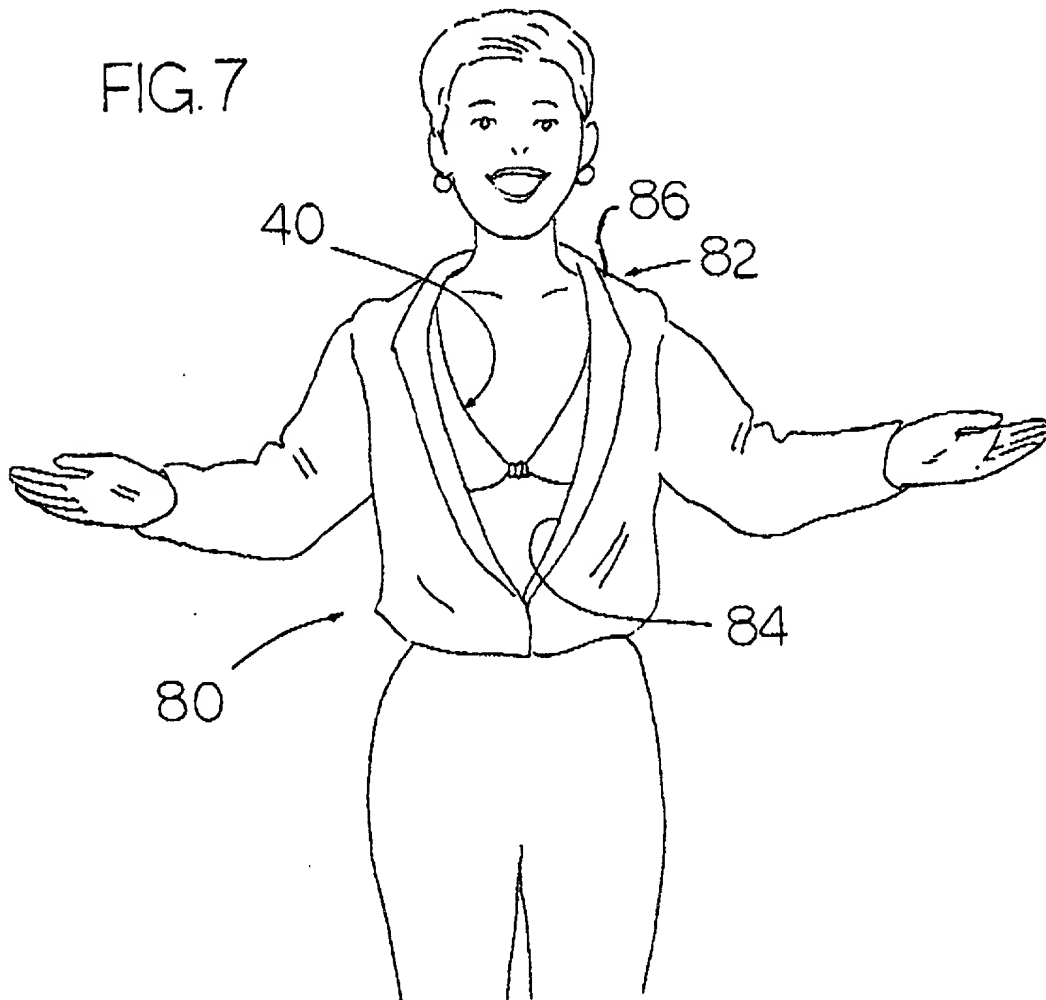


FIG. 7



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	<b>First Named Inventor</b>	Currier, Diane
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	<b>Filing Date</b>	
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As a below named inventor, I hereby declare that:

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**FRONT-OPENING GARMENT WITH BUILT-IN FRONT-OPENING BRA**

the specification of which *(Title of the Invention)*

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I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed

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[Page 1 of 2]

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U.S. Parent Application or PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Diane		Currier	
Inventor's Signature	Date		2-13-00
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City	Poplar Grove	State	IL
		ZIP	61065
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☐ Additional inventors are being named on the 1 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto